

10/072,149

Proposed amendment after final office action  
Attorney Docket No. D-2978

PROPOSED AMENDMENT TO CLAIMS

This is a listing of claims with proposed amendment thereto for the Examiner's consideration.

Claim 1 (Currently amended) An erosion control system comprising:  
a flexible matting including no powdered or granular material, and further including

a single core layer formed of a fiber matrix in order that comprising randomly oriented fibers, and the fiber matrix core forming a substantially flat upper surface and a substantially flat lower surface; and

a permanent upper layer comprising an externally disposed biaxial geogrid bonded to and located on the substantially flat upper surface of the single core layer; and

an externally disposed grid-like netting material fastened to and located on the substantially flat lower surface of the single core layer;

the flexible matting being structured to resist trapping of sediment within the matting and to allow flowing particulate matter to pass freely over the matting during a hydraulic event in order to control erosion of a substantially unvegetated sloped surface when the matting is placed on a substantially unvegetated sloped surface.

Claim 2 (currently amended): The system of claim 1 wherein the fiber matrix single core layer comprises a compacted fiber matrix.

Claim 3 (previously amended): The system of claim 1 wherein the matting has a density of at least about 0.5 pounds to about 0.7 pounds per square yard.

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Claim 4 (previously amended): The system of claim 1 wherein the matting has a Mannings "N" value of roughness of less than about 0.044.

Claim 5 (previously amended): The system of claim 1 wherein the matting has a Mannings "N" value of roughness of about 0.026.

Claim 6 (Original): The system of claim 1 wherein the flexible matting is structured to substantially prevent soil loss from the sloped, unvegetated surface when the surface is exposed to at liquid flow at a velocity of greater than about 9.5 feet per second and less than about 20 feet per second.

Claim 7 (Original): The system of claim 1 wherein the flexible matting is structured to prevent substantial soil loss from the sloped, substantially unvegetated surface when the surface is exposed to a liquid flow having a duration greater than about 30 minutes to about 50 hours.

Claim 8 (cancelled)

Claim 9 (currently amended): The system of claim 1 wherein the ~~fiber matrix~~ single core layer comprises a material selected from the group consisting of coconut fibers, flax fibers, polypropylene fibers and combinations thereof.

Claims 10-11 (cancelled)

Claim 12 (Original): The system of claim 11 wherein the biaxial geogrid is stitch bonded with the single core layer.

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Claim 13-22 (canceled)

Claim 23 (Previously added): The system of claim 1 wherein the ~~fiber matrix~~ single core layer has a substantially continuous, uniform thickness defined between the substantially flat upper surface and the substantially flat lower surface.

Claim 24 (Previously added): The system of claim 1 wherein the flexible matting is further structured such that the upper layer remains bonded to the substantially flat upper surface of the single core layer.

Claim 25-26 (Canceled)

Claim 27 (new): The system of claim 1 wherein the single core layer consists essentially of randomly oriented fibers.

Claim 28 (new): The system of claim 1 wherein the flexible matting consists essentially of

the single core layer,  
the permanent upper layer, and  
the externally disposed grid-like netting material.